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PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))

Attorney Docket No.	R290.12-0029
First Inventor or Application Identifier	Chang-Dong Feng et al.
Title	FLOW-THROUGH CONDUCTIVITY SENSOR
Express Mail Label No.	EV178025507US

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

Address To:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☒ *Fee Transmittal Form e.g., PTO/SB17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant Claims small entity status
3. ☒ Specification [Total Sheets **18**]
(preferred arrangement set forth below)
- Descriptive title of the Invention)
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. § 113) [Total Sheets **8**]
5. Oath or Declaration [Total Sheets **3**]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 Copies); or
ii. ☐ Paper
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO - 1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request Under 35 USC 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent
17. ☒ Other: Checks in the amount of \$40.00 and \$892.00

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☐ Divisional☐ Continuation-in part (CIP)

of prior application No. _____ /

Prior application information:

Examiner _____

Group/Art Unit: _____

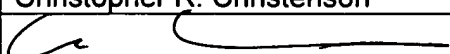
FOR CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

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Name (Print/type)	Christopher R. Christenson	Registration No. (Attorney/Agent)	42,413
Signature		Date	12/12/03

FEE TRANSMITTAL		Complete if Known																																																																																									
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1. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. <u>23-1123</u> . Westman, Champlin & Kelly, P.A. 2. <input checked="" type="checkbox"/> Check Enclosed		3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> <tr> <th>Code</th> <th>Code</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>2051</td> <td>Surcharge - Late filing fee or oath</td> <td style="text-align: right;">65</td> </tr> <tr> <td>1052</td> <td>2052</td> <td>Surcharge - Late provisional Filing Fee or cover sheet</td> <td style="text-align: right;">25</td> </tr> <tr> <td>1053</td> <td>1053</td> <td>Non-English specification</td> <td style="text-align: right;">130</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>For Filing a Request for Reexamination. (ex parte)</td> <td style="text-align: right;">2,520</td> </tr> <tr> <td>1251</td> <td>2251</td> <td>Extension for reply within first month</td> <td style="text-align: right;">55</td> </tr> <tr> <td>1252</td> <td>2252</td> <td>Extension for reply within second month</td> <td style="text-align: right;">210</td> </tr> <tr> <td>1253</td> <td>2253</td> <td>Extension for reply within third month</td> <td style="text-align: right;">475</td> </tr> <tr> <td>1254</td> <td>2254</td> <td>Extension for reply within fourth month</td> <td style="text-align: right;">740</td> </tr> <tr> <td>1255</td> <td>2255</td> <td>Extension for reply within fifth month</td> <td style="text-align: right;">1,005</td> </tr> <tr> <td>1402</td> <td>2402</td> <td>Filing a brief in support of an appeal</td> <td style="text-align: right;">165</td> </tr> <tr> <td>1403</td> <td>2403</td> <td>Request for oral hearing</td> <td style="text-align: right;">145</td> </tr> <tr> <td>1814</td> <td>2814</td> <td>Terminal Disclaimer Fee</td> <td style="text-align: right;">55</td> </tr> <tr> <td>1452</td> <td>2452</td> <td>Petition to Revive - unavoidable</td> <td style="text-align: right;">55</td> </tr> <tr> <td>1453</td> <td>2453</td> <td>Petition to Revive - unintentional</td> <td style="text-align: right;">665</td> </tr> <tr> <td>1501</td> <td>2501</td> <td>Utility/Reissue issue fee (inc. advance copies)</td> <td style="text-align: right;">665</td> </tr> <tr> <td>1502</td> <td>2502</td> <td>Design issue fee (inc. advance copies)</td> <td style="text-align: right;">240</td> </tr> <tr> <td>1460</td> <td>1460</td> <td>Petitions to the Commissioner</td> <td style="text-align: right;">130</td> </tr> <tr> <td>1807</td> <td>1807</td> <td>Petitions related to provisional applications</td> <td style="text-align: right;">50</td> </tr> <tr> <td>1806</td> <td>1806</td> <td>Submission of Information Disclosure Statement</td> <td style="text-align: right;">180</td> </tr> <tr> <td>8021</td> <td>8021</td> <td>Recording each patent assignment per property (times number of properties)</td> <td style="text-align: right;">40</td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	Fee Paid	Code	Code			1051	2051	Surcharge - Late filing fee or oath	65	1052	2052	Surcharge - Late provisional Filing Fee or cover sheet	25	1053	1053	Non-English specification	130	1812	2,520	For Filing a Request for Reexamination. (ex parte)	2,520	1251	2251	Extension for reply within first month	55	1252	2252	Extension for reply within second month	210	1253	2253	Extension for reply within third month	475	1254	2254	Extension for reply within fourth month	740	1255	2255	Extension for reply within fifth month	1,005	1402	2402	Filing a brief in support of an appeal	165	1403	2403	Request for oral hearing	145	1814	2814	Terminal Disclaimer Fee	55	1452	2452	Petition to Revive - unavoidable	55	1453	2453	Petition to Revive - unintentional	665	1501	2501	Utility/Reissue issue fee (inc. advance copies)	665	1502	2502	Design issue fee (inc. advance copies)	240	1460	1460	Petitions to the Commissioner	130	1807	1807	Petitions related to provisional applications	50	1806	1806	Submission of Information Disclosure Statement	180	8021	8021	Recording each patent assignment per property (times number of properties)	40
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Signature Christopher R. Christensen
 Date 12-12-03

Reg. No. 42,413

Deposit Account No. 23-1123